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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/500,702

07/06/2004

Youichi Tobita

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7183

7590 04/28/2008  
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EXAMINER

SHANKAR, VIJAY

ART UNIT

PAPER NUMBER

2629

MAIL DATE

DELIVERY MODE

04/28/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/500,702	<b>Applicant(s)</b> TOBITA, YOUICHI	
	<b>Examiner</b> VIJAY SHANKAR	<b>Art Unit</b> 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 04 January 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) 4-17 and 19-21 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                       | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/11/07</u> .   | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Priority***

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.
2. Non-Elected Claims 4-16 and 19-21 should be cancelled.

### ***Election/Restrictions***

3. Claims 4-16, 19-21 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Species , there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 9/4/07.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-3 and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Yumoto et al (US 2002/0067328 A1).

Regarding Claim 1, Yumoto et al teaches a sample hold circuit for sampling an input potential, holding the sampled potential and outputting the same, comprising: a first switching element (186 in Figure 42) receiving the input potential on one of its electrodes, and being turned on for a first period (Figure 42; Paragraph 0102-0120, 130-147, 0388-0398); a second switching element (188 in Figure 42) connected at one of its electrodes to the other electrode of the first switching element, and being turned on for a second period (Figure 42; Paragraph 0102-0120, 130-147, 0388-0398); a first capacitor (189 in Figure 42) connected at one of its electrodes to the other electrode of the second switching element, and receiving on the other electrode a predetermined potential ( Paragraph 0102-0120, 130-147, 0388-0398); and a drive circuit (189 in Figure 42) having an input node connected to the other electrode of the second switching element and an output node connected to the other electrode of the first switching element ( Figure 42, Paragraph 0388-0398), and providing a potential corresponding to a potential of the input node to the output node wherein a power supply voltage of the drive circuit is intermittently supplied (Figures 3-5, 33,42; Paragraph 0099-0120, 130-147, 0317-0326, 0388-0398).

Regarding Claims 2-3, Yumoto et al teaches a sample hold circuit wherein the first and second periods are the same period; and the first period contains the second period. ( Paragraph 0131-0141).

Regarding Claim 18, Yumoto et al teaches an image display device comprising the sample hold circuit and a liquid crystal cell connected at one of its electrodes to an output node of the drive circuit, and receiving on the other electrode the predetermined potential ( Figures 29-30; Paragraph 0287-0304).

### ***Response to Arguments***

6. Applicant's arguments filed 1/4/08 have been fully considered but they are not persuasive.

7. Applicant argues that Yumoto et al does not teach a drive circuit having an input node connected to the other electrode of the second switching element and an output node connected to the other electrode of the first switching element, and providing a potential corresponding to a potential of the input node to the output node wherein a power supply voltage of the drive circuit is intermittently supplied.

However, Yumoto et al teaches a drive circuit (189 in Figure 42) having an input node connected to the other electrode of the second switching element and an output node connected to the other electrode of the first switching element ( Figure 42, Paragraph 0388-0398), and providing a potential corresponding to a potential of the input node to the output node wherein a power supply voltage of the drive circuit is intermittently supplied (Figures 3-5, 33,42; Paragraph 0099-0120, 130-147, 0317-0326, 0388-0398).

***Conclusion***

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (571)272-7682. The examiner can normally be reached on M-F 7:30 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MICHAEL RAZAVI can be reached on (571) 272-7664. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VIJAY SHANKAR/  
Primary Examiner, Art Unit 2629

VS

<div>Application Number</div> <div></div>	Application/Control No.	Applicant(s)/Patent under Reexamination	
	10/500,702	TOBITA, YOUICHI	
	Examiner	Art Unit	
	VIJAY SHANKAR	2629	